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The evolution of a personal vision dating back to the 1950s. How the vision turned out to be uncannily accurate: the author wrote a science fiction book and ten years later was in a position to make the fiction real. The vision now represents a wide range of initiatives developed by all sorts of organizations and appears to be coming true.

PART I: WHERE WE ARE

1 In Light of Water 3

If history is illuminated by the light of our minds, our future is an illuminated vision of expectation and both are electrons in brain water. Many visions of horror mark our time. Prescience caused millions to inexplicably develop new energy and water tech decades ago. They were creating our future. It's now ready.

2 A Wealth of Energy and Water for All 21

How popular views about resource scarcity blind us to the potential of the infrastructure revolution happening all around us, and to a wealth of energy and water. As a society we are standing in the rain debating where to get more water, and standing in the sun pondering where to find new energy.

3 Less is More of Something Else 33

How conservation technologies, often seen as symbols of loss, in fact offer a higher quality of water and energy. Better insulation means less energy expense, as well as a warmer and quieter home. Native plants often use less water, and also attract more birds and butterflies.

PART 2: PRIMARY TOOLS

- 4 Power from a Crystal as Thin as Paint 47
How photovoltaics generate electricity from light and can be integrated with buildings, but since the technology generates no pollution no one notices it. Nevertheless silicon crystalline structures now produce significant electricity.

- 5 From Light to Water 57
How renewable energy will replace not just fossil and nuclear technologies, but the very idea of centralized power plants. The unavoidable economic reality is the inherently lower cost of generating power when and where it's needed, and only renewable energy can do that.

- 6 Distribution by Rain 75
How developers are choosing to recycle water within buildings, and cities are capturing rainwater. Outlines a strategy for reliance on wells, restoration of urban watersheds and no risk of poison in the water.

- 7 One Water and Energy System 83
An energy-water system that would replace furnaces, air conditioners and water heaters with one appliance that generates electricity and pure water from light and rain. How this device is virtually available now, but has yet to be assembled into a single product.

PART 3: INDUSTRY TRANSFORMED

- 8 Light Mobility 97
The world's largest industries have already decided on fuel-cells, hydrogen and renewable energy. Automotive and oil industry leaders have already invested billions. Solar-electric transport means nonpolluting electric cars and a gas station in many garages. Why it will start with trains, vans, taxis and trucks.

- 9 Making Things by Light 123
How manufacturing is already driven by designs in light. Factories and farms can be powered by light and biological processes, and even the factory that makes energy systems is powered by light. Reductions in energy and all resources due to new materials are sweeping industry already.

PART 4: LIFE REVITALIZED

- 10 Restoration, Renewal and Rebalancing 133
Links new energy and water technologies with the removal of dams and restoration of rivers as a means of restoring fisheries. Shows how this strategy offers a means of rebuilding whole economies, even whole cities, like New Orleans.
- 11 Blood, Water and Crystals 153
Is faith in a common future a source of health? Is human health compromised by hopelessness? It may just be true that general health would improve by the process of building an infrastructure, and by the results of purifying the water and restoring the environment. Water systems would no longer be a highway for disease or poison.

PART 5: WEALTH BY ALL MEASURES

- 12 Gold in the Sun 169
Acknowledges the belief that “they” won’t allow such utopian promise, then outlines why “they” are developing and marketing the new technologies. The transformation is happening and will happen because it represents not just financial profit, but profit by all measures.
- 13 Let There be Light 181
How the new infrastructure allows billions of people access to a higher quality of life, with far, far less cost and pain. This revolution means that for the first time in human history we will not only share a common experience of creating the infrastructure, but also the common results.
- 14 Crystal Light and Living Waters 193
Hippies were right: “It’s crystals man.” Breakthroughs in structure yield ever more sophisticated and subtle tools, such as electric clothing and paint, “invisible” people and things. The same technology leads to new visions of life. It started on the beach. The universe in a grain of sand.

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